

# Aries Multiport™

# PCI Serial Controller

## FABRIC & CONNECTIVITY DIVISION



The Aries 8000P and 16000P are ideal for high-speed, high-throughput applications including:

- Modem connectivity
- Internet access
- Remote access
- Real-time data feeds

- Eight and 16 ports from one PCI Bus slot
- Asynchronous data transfer rates of 115.2 kbps, full duplex, simultaneously on all ports
- Supports SPARC® Solaris®, Rev. 8, 9, and 10; Solaris x86, Rev. 2.6, 7, and 8; and Linux®
- Interface options include:
  - RS-232 with DB-25 or RJ-45 connectors
  - RS-422 or RS-485 with DB-25 connectors via an external breakout box
- Data buffer on each port for increased throughput and performance
- On-board hardware (out of band) and software (in band) flow control on all ports assures data integrity
- Compatible with Carlo Gavazzi's 1U Rackmount RJ-45 Interconnect Module (RIM) in 16, 32, and 48 port counts (Aries 16000P only)

The Aries 8000P and 16000P multiport serial communications controllers enable eight to 16 serial devices to be interfaced from one PCI Bus slot. This family of high throughput controllers supports asynchronous data transfer rates up to 115.2 kbps, full duplex, simultaneously on all ports.

The Aries Multiport high-throughput asynchronous controllers supports SPARC Solaris; Rev. 8, 9, and 10; Solaris x86, Rev. 2.6, 7, and 8; and Linux.

*—innovative engineering, dependable products—*

Carlo Gavazzi Computing Solutions designs and manufactures standard and custom AdvancedTCA™, CompactPCI®, PCI/ISA, and Switch Fabric backplanes, cabinets, enclosures, I/O boards, and integrated systems that address your outsourcing and time-to-market needs.



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### General Specifications

Model	8 port: 8000P and 16 port: 16000P
PCI Compliance	PCI 2.1
Bus Width/Speed	32 Bits/33 MHz
Signal Standards	RS-232-D EIA EIA RS-422-A & RS-485
Connector	DB-25 DTE (RS-232 and RS-422/485) or RJ-45 (RS-232)
Async Data Rates	50-115.2 kbps
Start/Stop Bits	1 or 2
Data Bits	5, 6, 7, or 8 bits
Flow Control	Hardware: CTS/RTS Software: XON/XOFF
Modem Control	CD, DTR, and DSR*
Modem Lines	All ports
I/O Buffer	24 Bytes per port
Certification	FCC Class A and CE
CCITT Compatibility	V.24/V.289 (RS-232) V.11/ V.24/V.28/V.27 (RS-422/ 485)Termination: Rx/Tx 100 ohm configuration option RS-485: all differential drivers are switchable under software control
Power Supply	5 VDC

### Minimum System Requirements

OS Support	SPARC® Solaris®, Rev. 8, 9, and 10; Solaris x86, Rev. 2.6, 7, and 8; and Linux.
Hardware	SPARC-compatible (5 or better) workstations and servers with a PCI Bus, supporting Solaris. Intel-based system or compatible with a PCI Bus, supporting the Solaris x86 operating system environment.
Memory	16 Mbytes per card
Disk Drive	1 Mbyte free in/ opt (Solaris)
CD-ROM Drive	Optional

### Physical Specifications

Card Dimensions	L - 4.900" (12.39 cm) x H - 4.200" (10.66 cm)
Card Weight	5.0 oz. (0.142 kg)
DB-25 Breakout Box	8 port: 11.4" (28.9 cm) x 3.5" (8.9 cm) x 1.71" (4.34 cm) 16 port: 11.4" (28.9 cm) x 7.00" (17.78 cm) x 1.71" (4.34 cm)
Breakout Box Rackmount Brackets	8 port: 6.2" (15.7 cm) x 3.5" (8.9 cm) x 1.71" (4.34 cm) 16 port: 11.4" (28.9 cm) x 3.5" (8.9 cm) x 1.71" (4.34 cm)
RJ-45 Rack Mount Interconnect Module	16, 32, & 48 ports: 1.72" (4.369cm) H x 19" (48.26cm) W x 4.09"(10.389cm) Width of RIM unit w/o Front Plate is 17.6" (44.7cm)
Breakout Box Rack Mount Brackets	Fit standard 19" rack mounts

\* 8000P only

### Part Numbers

<b>70-00050-08</b>	<b>Aries 8000P Multiport Serial Controller (eight ports). Connector option sold separately.</b>
06-00052-00	8-port DB-25M cable
20-00037-00	8-port DB-25M breakout box
20-00038-00	8-port DB-25M breakout box with eight ports RS-422/485
<b>70-00070-08</b>	<b>Aries 16000P Multiport Serial Controller (16 ports). Connector option sold separately.</b>
20-70110-00	16-port DB-25M breakout box
20-70116-00	16-port DB-25M breakout box with 16 ports RS-422/485

Additional connectors available.

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